

Product Datasheet

26-port Full Gigabit PoE Fiber Switch



OVERVIEW

The **11-001-016** series is an unmanaged PoE fiber switch independently developed by ONV. It has 24*10/100/1000M PoE ports and 2*1000M uplink SFP ports. Port 1-24 can support IEEE802.3af/at PoE standard. Single-port PoE power up to 30W, and the maximum POE output power is 250W. As a PoE power supply device, it can automatically detect and recognize the power receiving equipment that meets the standard and supply power through the network cable. It can supply power to POE terminal equipment such as wireless AP, webcam, VoIP phone, video access control intercom, etc. through network cable to meet the network environment that needs high-density PoE power supply. It is suitable for hotels, campuses, factory quarters and small and medium-sized enterprises to form an economy efficient network.

Unmanaged model, plug and play, no configuration, easy to use.

FEATURE

■ Full Gigabit port

- ◇ Support non-blocking wire-speed forwarding.
- ◇ Support full-duplex based on IEEE802.3x and half-duplex based on Backpressure.
- ◇ Supports gigabit Ethernet port and gigabit SFP fiber port combination, which enables users to flexibly build networking to meet the needs of various scenarios.

■ Intelligent PoE power supply

- ◇ IEEE802.3af/at PoE standard, without damaging non-PoE devices.
- ◇ Priority system for PoE port, it will supply power to the high priority level port first when the power budget is insufficient and avoid overwork of the device.
- ◇ 24*10/100/1000Base-T RJ45 ports, meeting the needs of security monitoring, teleconferencing system, wireless coverage, and other scenarios.

■ Stable and reliable

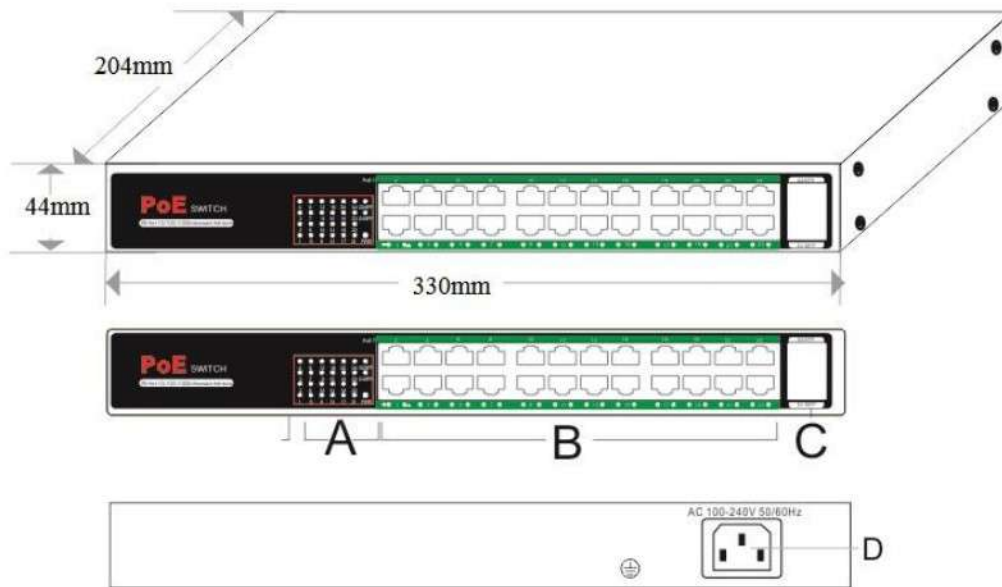
- ◇ CCC, CE, FCC, RoHS.
- ◇ Low power consumption, galvanized steel casing. The fan active cooling.
- ◇ The user-friendly panel can show the device status through the LED indicator of PWR, Link,, PoE.
- ◇ Self-developed power supply, high redundancy design, providing a long term and stable PoE power output.

TECHNICAL SPECIFICATION

Model	11-001-016	
Interface Characteristics		
Fixed Port	16*10/100/1000Base-T PoE ports (Data/Power) 2*1000Base-X uplink SFP ports (Data)	24*10/100/1000Base-T PoE ports (Data/Power) 2*1000Base-X uplink SFP ports (Data)
Ethernet Port	Port 1-16/1-24 support 10/100/1000Base-T auto-sensing, full/half duplex MDI/MDI-X self-adaption	
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter) 1000BASE-T: Cat5e or later UTP(≤100 meter)	
SFP Slot Port	Gigabit SFP optical fiber interface, default no include optical modules (optional single-mode / multi-mode, single fiber / dual fiber optical module. LC)	
Optical Cable/ Distance	Multi-mode: 850nm/ 0-500M, Single-mode:1310nm/0-40KM, 1550nm/ 0-120KM.	
Chip Parameter		
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-X, IEEE802.3x	
Forwarding Mode	Store and Forward(Full Wire Speed)	
Switching Capacity	52Gbps (Non-blocking)	
Forwarding Rate@64byte	26.78Mpps	38.69Mpps
MAC	8K	
Buffer Memory	4M	
Jumbo Frame	10K	

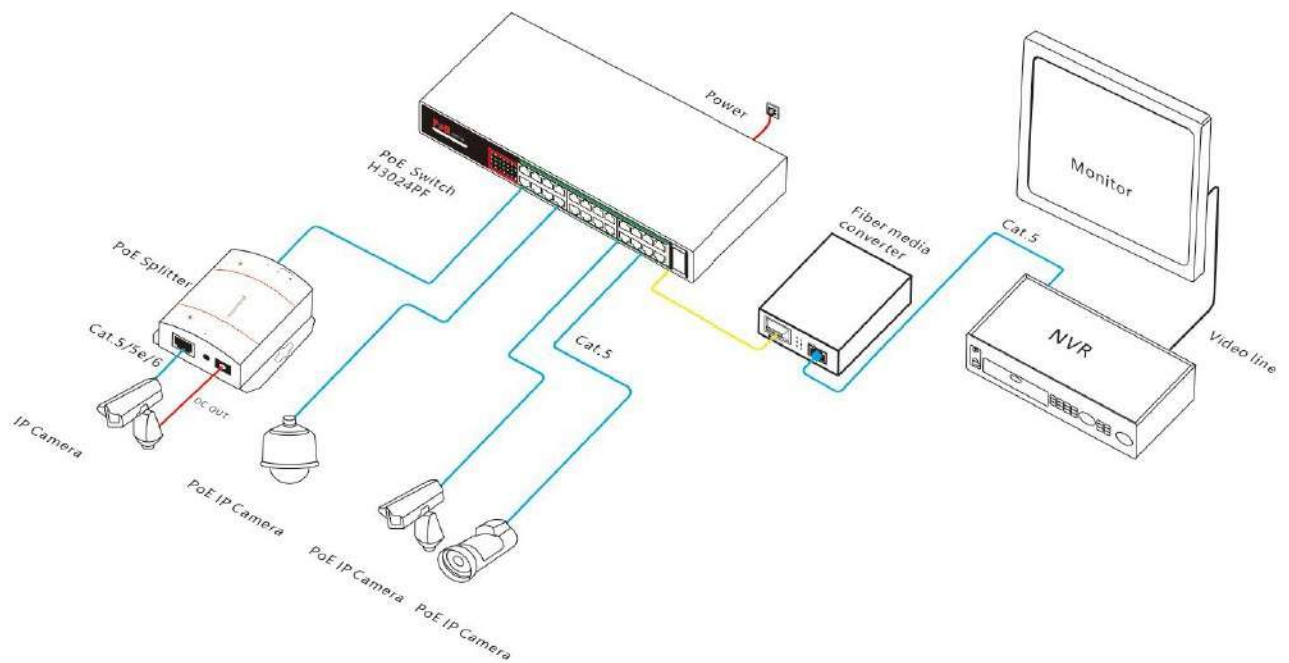
LED Indicator	Power: PWR (Green), Network: Link (Green), PoE: PoE (Green), Fiber: G1/G2(Green), POE: PoE(Green)	
PoE & Power Supply		
PoE Port	Port 1 to 16, IEEE802.3af/at	Port 1 to 24, IEEE802.3af/at
Power Supply Pin	Default 1/2 (+) 3/6 (-)	
Max Power Per Port	30W, IEEE802.3af/at	
Total PWR / Input Voltage	250W /(AC100-240V)	
Power Consumption	Standby: 15W, Full Load: 240W	Standby: 20W, Full Load: 250W
Power Supply	Built-in power adapter, AC 100~240V 50-60Hz 4.1A	
Physical Parameter		
Operation TEMP / Humidity	-20~+55°C, 5%~90% RH Non condensing	
Storage TEMP / Humidity	-40~+75°C, 5%~95% RH Non condensing	
Dimension (L*W*H)	270*181*44.5mm	330*204*44mm
Net /Gross Weight	<1.7kg / <2.2kg	<3.0kg / <3.5kg
Installation	Desktop, Wall-mounted, 19 inch 1U cabinet	
Certification & Warranty		
Lightning Protection	Lightning protection: 4KV 8/20us; Protection level: IP30	
Certification	CCC, CE mark, commercial, CE/LVD EN62368-1, FCC Part 15 Class B, RoHS	
Warranty	1 year, lifelong maintenance.	

DIMENSION



- A. Working indicator
- B. 24*10/100/1000M PoE ports
- C. 2*1000M SFP ports
- D. Power input port AC100-240V, 50/60Hz

APPLICATION



ORDERING INFORMATION

Model	Description
	Unmanaged PoE switch with 16*10/100/1000M PoE ports and 2* 1000M uplink SFP ports. Port 1-16 can support IEEE802.3af/at PoE Standard. Built-in 250W power supply. Support 19-inch cabinet installation.
11-001-016	Unmanaged PoE switch with 24*10/100/1000M PoE ports and 2* 1000M uplink SFP ports. Port 1-24 can support IEEE802.3af/at PoE Standard. Built-in 250W power supply. Support 19-inch cabinet installation.




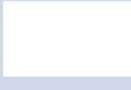
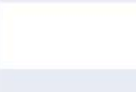

Note: The SFP optical module is not included by default and needs to be purchased separately.

PACKING LIST

	CONTENT	QTY	UNIT
PACKING LIST	26-port full gigabit PoE switch	1	SET
	AC Power Cable	1	PC
	Mounting Kits	1	SET
	User Guide	1	PC
	Warranty Card	1	PC

OPTICAL MODULE INFORMATION

Product	Model	Description	Unit
1.25G Optical Module		SFP optical module, 1.25G, multi mode dual fiber 850nm, transmission distance: 550m, LC interface, support DDM function, support hot plug and pull.	PC

		SFP optical module, 1.25G, single-mode dual fiber 1310nm, transmission distance: 20km, LC interface, support DDM function, support hot plug and pull.	PC
		SFP optical module, 1.25G, single-mode single fiber TX1310nm/RX1550nm, transmission distance: 20km, LC interface, support DDM function, support hot plug and pull.	PC
		SFP optical module, 1.25G, single-mode single fiber TX1550nm/RX1310nm, transmission distance: 20km, LC interface, support DDM function, support hot plug and pull.	PC
		SFP optical module, 1.25G, single-mode single fiber TX1310nm/RX1550nm, transmission distance: 20km, SC interface, support DDM function, support hot plug and pull.	PC
		SFP optical module, 1.25G, single-mode single fiber TX1550nm/RX1310nm, transmission distance: 20km, SC interface, support DDM function, support hot plug and pull.	PC
Power Module		1.25G SFP optical module transfers to 10/100/1000M RJ45 port.	PC